

Electromechanical Lock Installation Instruction

Specifications

Power Input	12/24V DC; 12V DC
Voltage Tolerance	±10%
Current Draw	280mA@12VDC; 140mA@24VDC
Version Changeable	Fail-safe/secure changeable
Operating Temperature	-10~45°C
Humidity	0~95% non-condensing
Lock bolt sensor switch output	SPDT rated 3A@125VAC
Solenoids testing	Tested to 1,000,000 cycles
Backset	30 mm
Weight	800 g

Fixing Lug

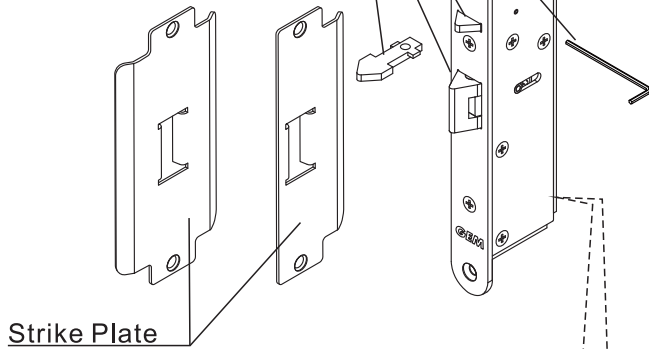
Europrofile key cylinder

Allen wrench (1.6mm)

NIB

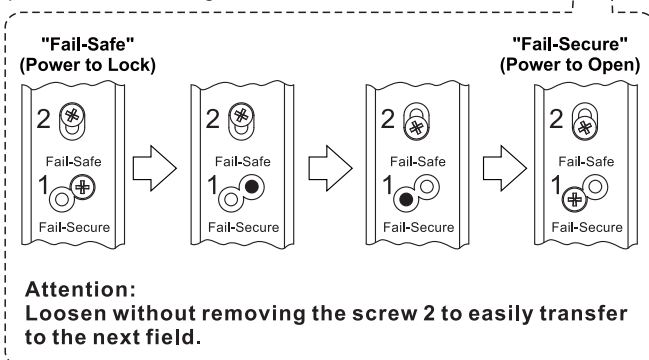
Lock bolt

NIB (spare)



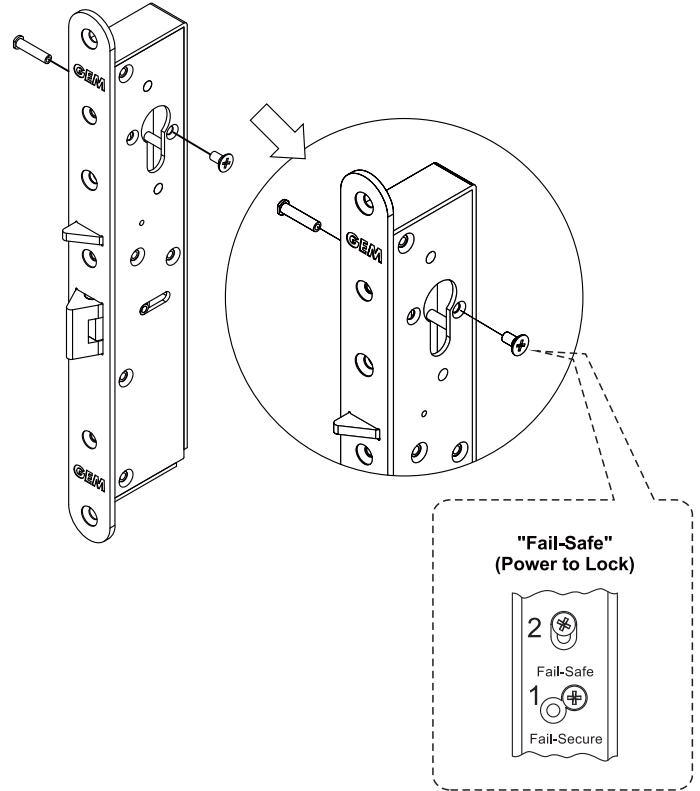
Version Changeable

Take out the Screw 1, release the screw 2, move the position and then tighten the screw 2.

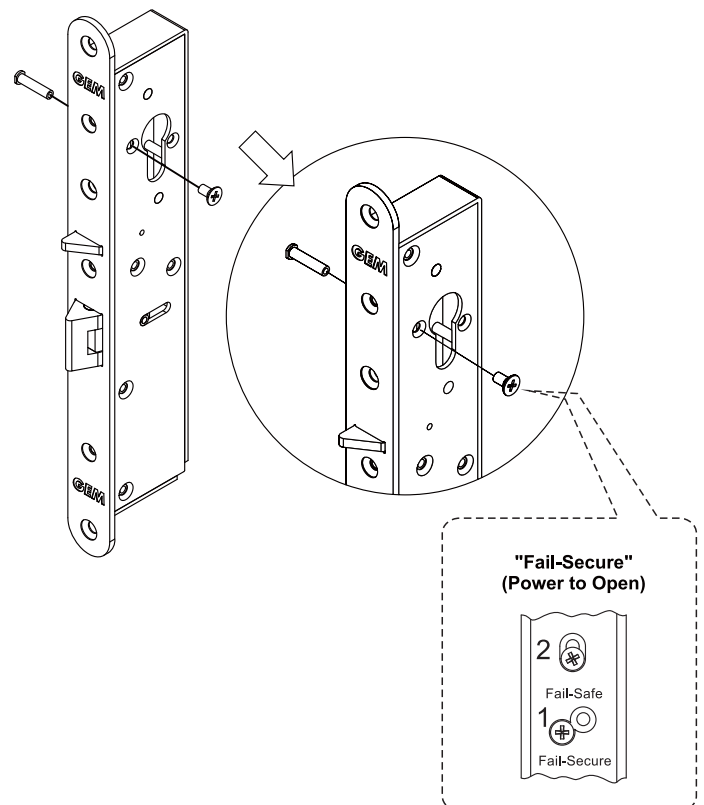


Cylinder Stand-off Position

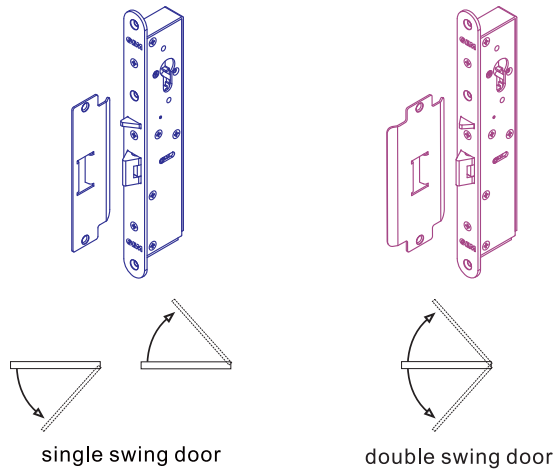
For fail-safe, operation mode is the position of stand-off as below.



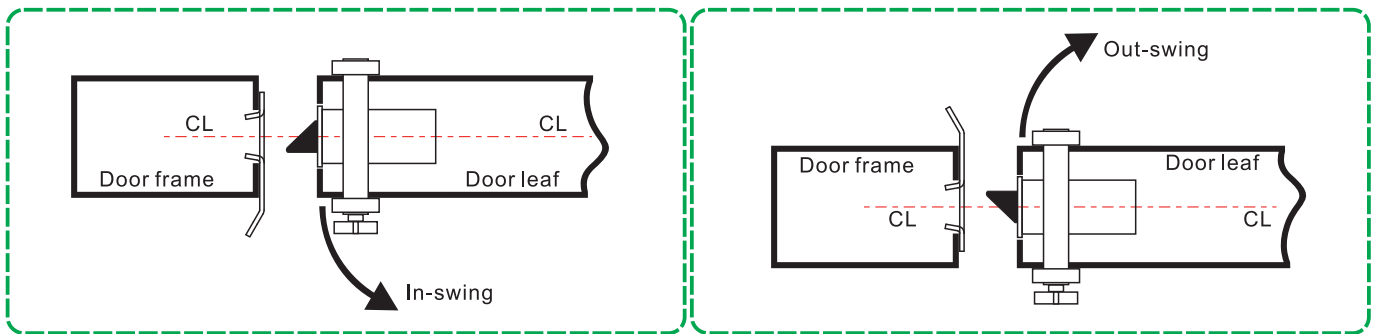
Fail-secure mode as below



Specifications



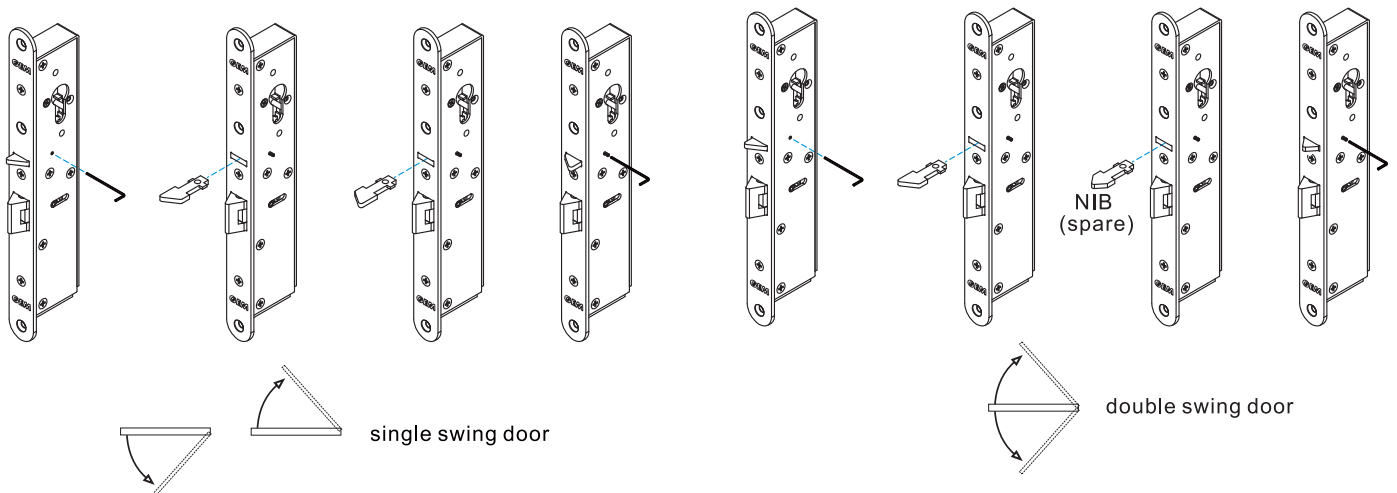
Attention: For “Single swing door” installation, Strike Plate and NIB can be adjusted thru the door opening and closing direction. (refer to page 1 for related NIB adjustment)

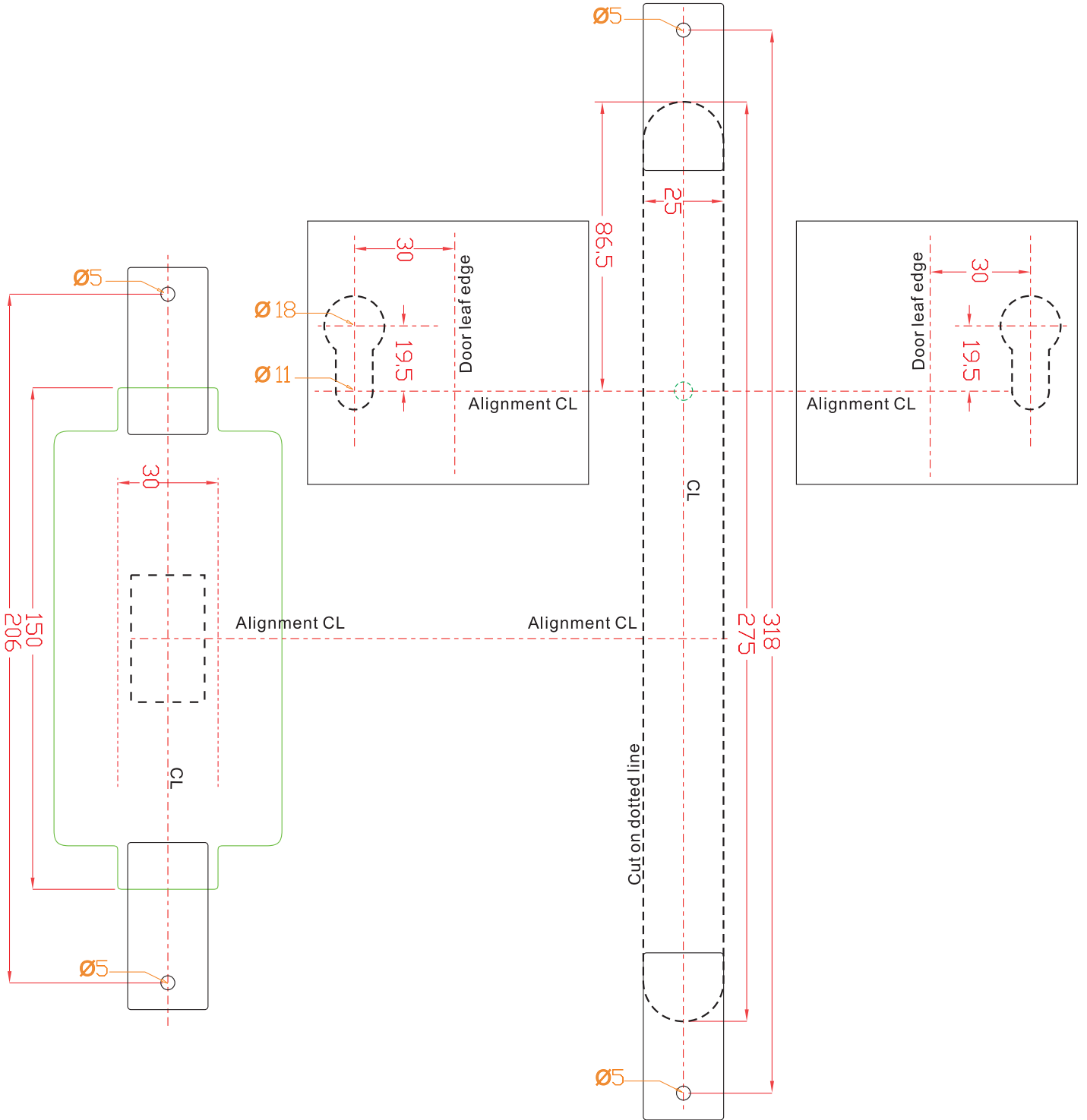


NIB Changeable

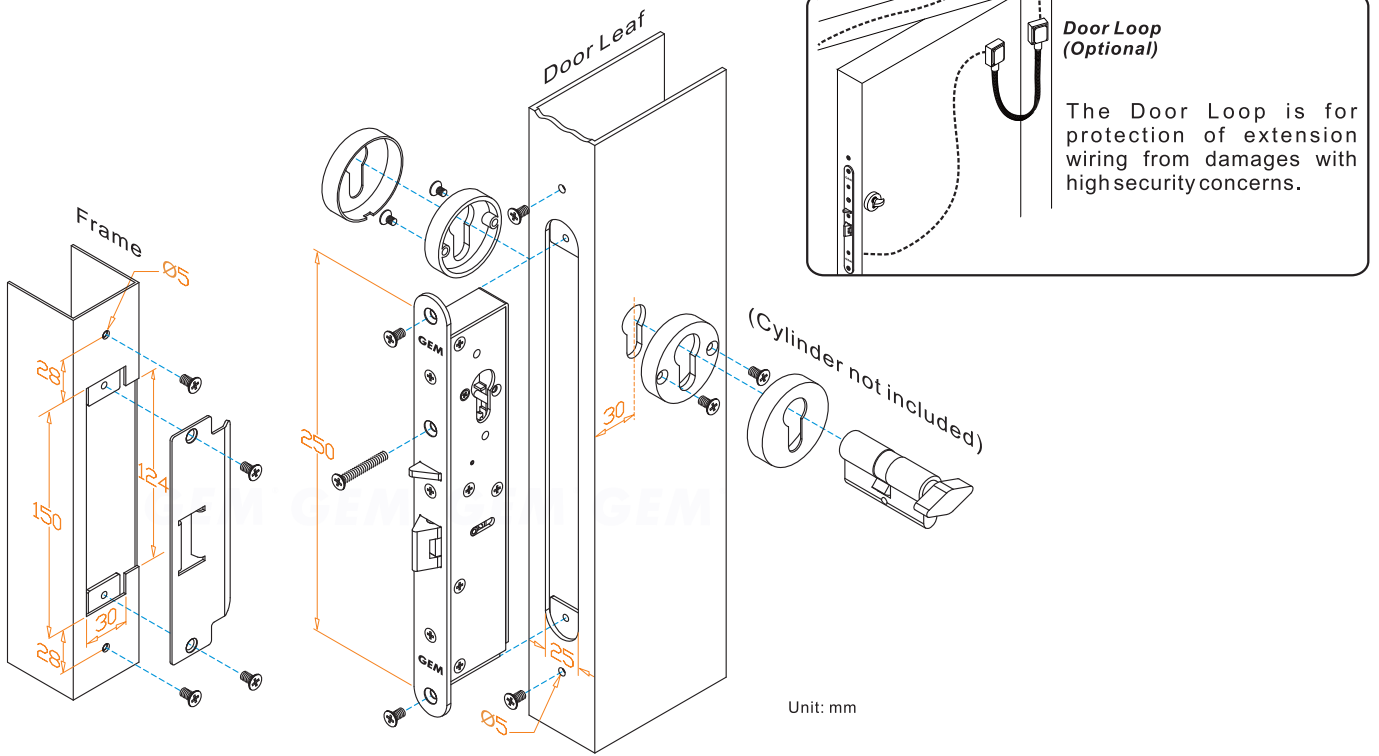
ML-300 is suitable for “single swing door” only. Mounting the lock will depend on your door application either right-hand or left-hand doors should be considered.

Single action door or double action door changeable by a NIB. We also provide optional spare NIB for “Double swing door” in case necessary.





Installation Instructions

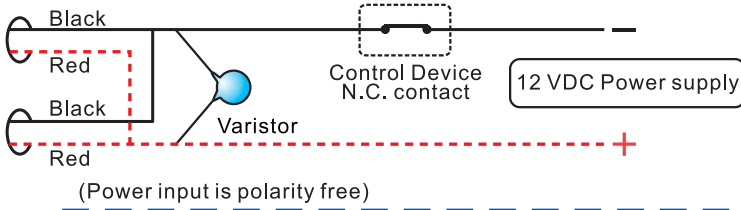


- | | | | |
|---|--|--|--|
| <p>1</p> <p>Frame Door Leaf</p> <p>Alignment CL</p> <p>Locate the vertical centerline of the Lock and Strike Plate as possible to the leading door edge.</p> | <p>2</p> <p>Door Leaf</p> <p>Mortise cutout in door leaf for face plate .</p> | <p>3</p> <p>Position screws for fasten Fixing Lugs.</p> | <p>4</p> <p>30°</p> <p>Drill and cut as template indicated.</p> |
| <p>5</p> <p>Connect power cable to lock.</p> | <p>6</p> <p>Insert lock into position, attach to Fixing base and cover.</p> | <p>7</p> <p>Tighten the cylinder</p> | <p>8</p> <p>Frame</p> <p>Tighten the Strike Plate</p> |

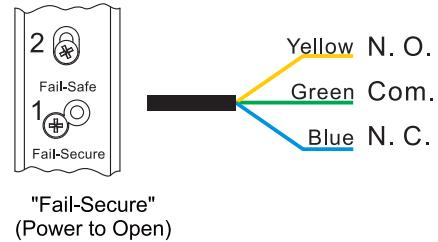
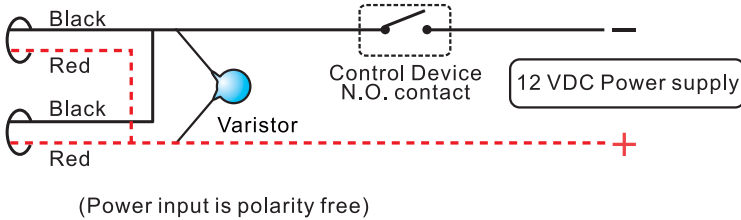
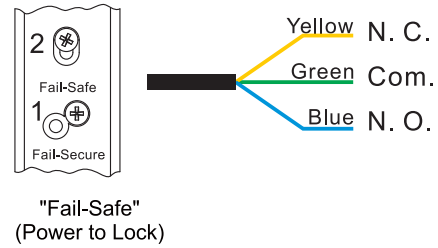
Connecting Diagram

• Voltage Selection for 12&24 VDC

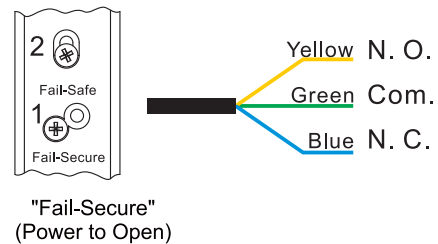
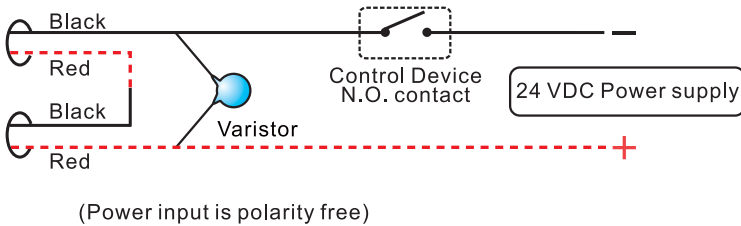
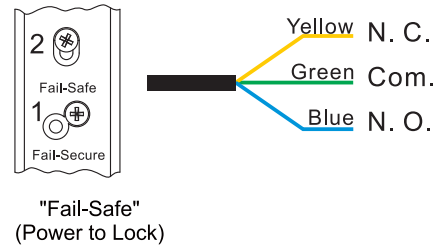
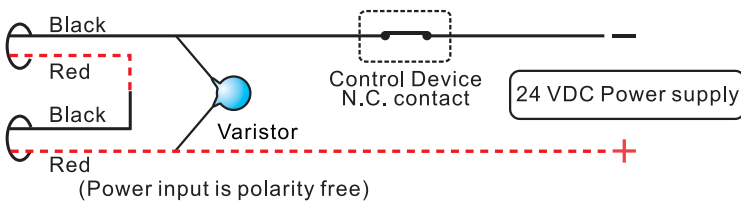
For the **12 VDC** operation, the electric strikes have to connect **in Parallel**.



Lock bolt sensor switch output

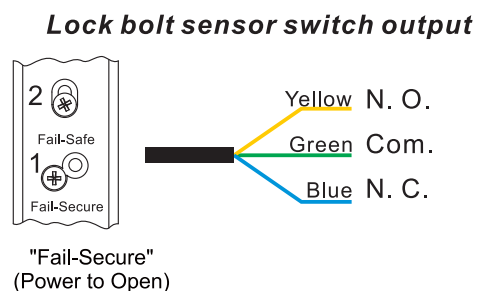
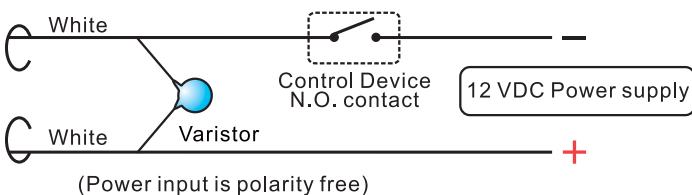
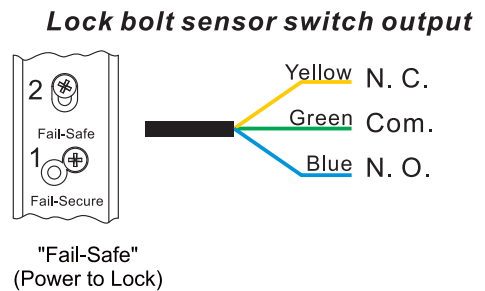
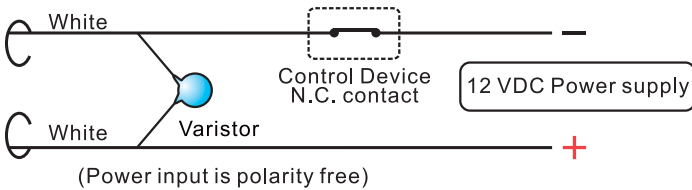


For the **24 VDC** operation, the electric strikes have to connect **in series**.



• Voltage for 12 VDC

For the **12 VDC** operation only



NOTE: The varistor (or diode) must be connected across the lock terminal (electromagnet...) operated by the device. The varistor controls the overload produced by the strike coil (EMP).